



COOPER TIRE & RUBBER COMPANY
3500 Washington Rd. • Texarkana, AR 71854 • Phone (870) 773-4502

May 6, 2013

Arkansas Department of Environmental Quality
Water Division - Enforcement Branch
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317

RE: Cooper Tire & Rubber Company – AFIN: 46-00005 - NPDES Permit Number AR0038822
Discharge Number 001-A

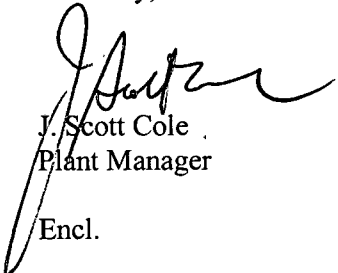
Dear Sir or Madam:

The above-referenced permit requires that the Cooper Tire & Rubber Company Texarkana, Arkansas plant monitor specific effluent characteristics for Outfall 001. Enclosed is the Discharge Monitoring Report for the period.

Part III.D.7. of the subject permit require that all instances of noncompliance with the effluent characteristics limitations are reported at the time the DMR form is submitted. A non-compliance report form is also attached.

If you have any questions or require additional information, please contact Charles Allen at (870) 779-4260.

Sincerely,



J. Scott Cole
Plant Manager

Encl.

NON-COMPLIANCE REPORT

Arkansas Department of Environmental Quality
NPDES Enforcement Section
5301 Northshore Drive
North Little Rock, AR 72118

RE: NPDES Permit No: AR0038822 Discharge Number: 001-A

Facility: COOPER TIRE & RUBBER COMPANY

Address: 3500 WASHINGTON ROAD

City: TEXARKANA State: AR Zip: 71854

Contact: CHARLES ALLEN Phone: 870-779-4260

Date of Non-Compliance	Parameter Exceeded	Quantity or Loading	Quality or Concentration	Permit Limits
4/10/13	ZINC, Total	—	183 ug/L	133 ug/L AVG

We feel this problem was due to:

Accumulation of fugitive dust from the rubber mixing process and
contributions of background concentrations of ZINC

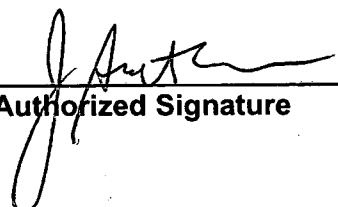
We plan on correcting the problem in this manner:

Continue targeted housekeeping of the mixing process and maintain BMPs
in place to minimize potential for zinc releases.

Time estimated that it will take to correct problem:

There is no known time to correct the problem. This is a historical issue with
engineering studies indicating there is no feasible solution to meet current
permit limits.

Sincerely,



Authorized Signature

5/13/13

Date



COOPERTIRES

COOPER TIRE & RUBBER COMPANY
3500 Washington Rd. • Texarkana, AR 71854 • Phone (870) 773-4502

May 6, 2013

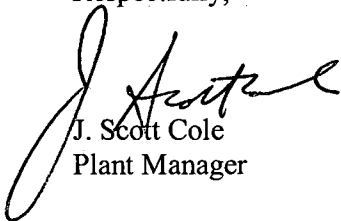
Arkansas Department of Environmental Quality
Water Division - Enforcement Branch
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317

RE: Cooper Tire & Rubber Company – AFIN: 46-00005 - NPDES Permit Number AR0038822
Discharge Number TX1-B

Dear Sir or Madam:

The above-referenced permit requires Cooper Tire & Rubber Company Texarkana, Arkansas plant to complete routine bio-monitoring sampling at Outfall 001. The permit requires reporting the Lethal No Observed Effluent Concentration (NOEC) for *Pimephales promela*. During the sampling events for the reporting period, the facility reported the required survival rate for *P. promela* at the 100% concentration level. Enclosed is the Discharge Monitoring Reports for the reporting period as required by the discharge permit AR0038822.

Respectfully,



J. Scott Cole
Plant Manager

Encl.



Bio-Aquatic Testing, Inc.



Ana-Lab
Cooper Tire & Rubber Co
OUTFALL NPDES 001

48 Hr. Acute Biomonitoring Report

51569

Pimephales promelas

March 12, 2013

Approved by: Chris Robason
Chris Robason,
President

Bio-Aquatic Testing, Inc. • 2501 Mayes Rd. Ste. 100 • Carrollton, Texas • 75006



605898 CoC Print Group 001 of 002

TABLE OF CONTENTS

TOXICITY TEST REPORT	3
TEST SUMMARY	5
STATISTICAL & CHEMICAL ANALYSIS	Appendix A
REFERENCE TOXICANTS	Appendix B
LITERATURE REFERENCES	Appendix C
CHAIN-OF-CUSTODY SHEETS	Appendix D
REGULATORY AGENCY TABLES	Appendix E

Unless otherwise noted in the body of the report, all data reported in this document are in compliance with NELAC standards and apply only to the samples referenced within. This report document may not be edited or reproduced in part or in full by any other entity, unless Bio-Aquatic Testing, Inc. issues written approval.

*HAND-WRITTEN RAW DATA TABLES ARE AVAILABLE UPON REQUEST



605898 CoC Print Group 001 of 002

BIO-AQUATIC TESTING, INC.

2501 Mayes Road, Suite 100

Carrollton, Texas 75006

Tel: (972) 242-7750

Fax: (972) 242-7749

TOXICITY TEST REPORT - 48 Hr Acute

Client:	Ana-Lab	Sample:	NPDES 001
Facility:	Cooper Tire & Rubber Co.	Laboratory Number:	51569
Permit No.	AR0038822	Date:	March 12, 2013

Pimephales promelas passed survival testing requirements.

SAMPLE COLLECTION: Composite effluent samples from Ana-Lab, Cooper Tire & Rubber Co., were transported to Bio-Aquatic Testing via Greyhound. Samples were received on March 12, 2013 and March 13, 2013. Effluent samples were collected from Outfall NPDES 001 by facility personnel.

The effluent samples were analyzed for total residual chlorine using the Hanna Ion Specific Meter #193711 and contained <0.10 mg/L and <0.10 mg/L, respectively. Effluent and laboratory dilution water pH, temperature, and dissolved oxygen data were collected daily.

TEST PROCEDURES:
Pimephales promelas

EPA METHOD: 2000

The 48 Hr Acute *Pimephales promelas* test was initiated at 18:00 hours on March 12, 2013. Five effluent concentrations of 32%, 42%, 56%, 75%, and 100% were prepared utilizing synthetic water. The test was set up with 450mL plastic cups containing 250mL of test solution as test chambers. Each concentration or control consisted of five replicate chambers containing eight organisms each, giving a total of 40 (forty) per treatment. The control was conducted concurrently with the test. Test organisms were laboratory cultured *P. promelas* eight days old, and all larvae used in each test are hatched within 24 hours of each other. The number of surviving larvae and water quality parameters were recorded after each 24 hour period. The test was renewed daily with fresh solutions. Surviving larvae in each test chamber were fed freshly hatched brine shrimp two times per day. The test proceeded for 48 hours. The test ended at 14:00 hours on March 14, 2013. Survival data was statistically ($p=0.05$) analyzed according to EPA procedures to determine the Lowest Observable Effect Concentration (LOEC) and the No Observable Effect Concentration (NOEC).



605898 CoC Print Group 001 of 002

SURVIVAL:

Pimephales promelas

The *Pimephales promelas* survival data failed Shapiro Wilk's test for normality at the 0.01 (0.900) alpha level after the arc sine (square root (Y)) transformation. Bartlett's test for homogeneity is sensitive to non-normal data and should not be performed if data fails Shapiro Wilk's test. The non-parametric Steel's Many-One Rank test performed on *Pimephales promelas* survival data demonstrated no statistically significant differences between the control and any of the effluent concentrations tested.

LOEC: Not Calculable (Q)

NOEC: 100% Effluent



605898 CoC Print Group 001 of 002

BIO-AQUATIC TESTING, INC.

TOXICITY TEST

48 Hr Acute *Pimephales promelas*

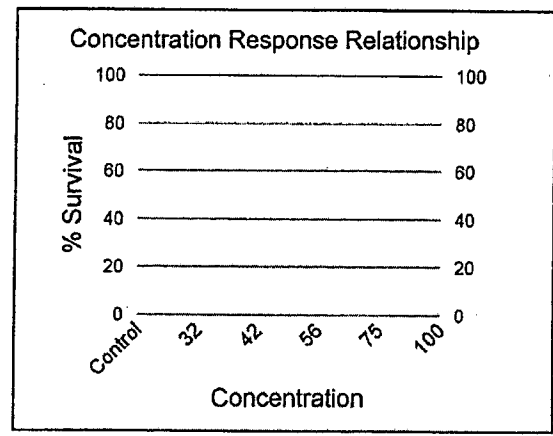
Client: Ana-Lab Cooper Tire & Rubber Co. Lab ID: 51569
 Permit Number: ADPCE AR0038822 Test Temperature (oC): 25 ± 1
 Sample Type: Composite Outfall Name: NPDES 001 Photo Period: 16 hours light
 Receiving Water Name: End Date: 3/14/2013
 Begin Date: 3/12/2013

Test Start Time: 18:00 Test End Time: 14:00

SURVIVAL

Effluent Con. %	Number Of Alive Per Replicate															Avg% Surv.
	3/12					3/13					3/14					
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
Control	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	100.0%
32	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	100.0%
42	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	100.0%
56	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	100.0%
75	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	100.0%
100	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	100.0%

*spilled cup





605898 CoC Print Group 001 of 002

APPENDIX A

STATISTICS SUMMARY

Both the lethal and sub-lethal endpoints were statistically calculated according to their respective EPA guidelines. The Chronic Freshwater organisms were calculated according to EPA-821-R-02-013, October 2002 Fourth Edition. The Chronic Marine and Estuarine organisms were calculated according to EPA-821-R-02-014, October 2002 Third Edition. The Acute Freshwater and Marine organisms were calculated according to EPA-821-R-02-012, October 2002 Fifth Edition. Listed below are the basic principles of these guidelines. If you would like a copy of the raw statistical calculations for your test then please contact us.

The chronic and acute *Pimephales promelas* and *Menidia beryllina* survival data is analyzed using Shipiro Wilks Test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts (parametric). If the data fails Shipiro Wilks Test or Bartlett's Test then Steels Many One Test (non-parametric) is used. The chronic *Pimephales promelas* and *Menidia beryllina* growth data is analyzed using Shipiro Wilks Test and Bartlett's Test. If the data passes one of these tests then the data is run through ANOVA and Dunnetts. If the data fails Shipiro Wilks Test and Bartlett's Test then Steels Many One Test is used.

The chronic *Mysidopsis bahia* survival data is analyzed using Chi-square test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts. If the data fails Chi-square test or Bartlett's Test then Steels Many One Test is used. *Mysidopsis bahia* growth data is analyzed using Chi-square test and Bartlett's Test. If the data passes one of these tests then the data is run through ANOVA and Dunnetts. If the data fails Chi-square test and Bartlett's Test then Steels Many One Test is used.

The acute *Mysidopsis bahia* survival data is analyzed using Shipiro Wilks Test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts. If the data fails Shipiro Wilks Test or Bartlett's Test then Steels Many One Test is used.

The chronic *Ceriodaphnia dubia* survival data are analyzed using the Fisher's Exact Test. The chronic *Ceriodaphnia dubia* reproduction and are analyzed using the Chi-square test and Bartlett Test. If the data passes one of these tests then the data is run through ANOVA and Dunnetts. If the data fails Chi-square test and Bartlett's Test then Steels Many One Test is used.

The acute *Daphnia pulex* and *Ceriodaphnia dubia* survival data is analyzed using Shipiro Wilks Test and Bartlett's Test. If the data passes both tests then the data is run through ANOVA and Dunnetts. If the data fails Shipiro Wilks Test or Bartlett's Test then Steels Many One Test is used.



51569

Bio-Aquatic Testing, Inc.

2501 Mayes Road, Suite 100
 Carrollton, TX 75006
 Tel: 972-242-7750
 Fax: 972-242-7749

FRESH WATER TEST SETUP FORM

Client: Ana-Lab Permit AR0038822

Facility: Cooper Tire & Rubber Co. Lab Number 51569

Outfall Name: NPDES 001 Number of samples 2

Dilution Water: Synthetic Lab

Receiving Water Name: _____

Dechlorinate Sample: No

Sx #	Rcvd Date	Rcvd Time	Sampling Dates		Sampling Times	
			Begin Date	End Date	Start	End
1	03/12/13	08:15	03/10/13	03/11/13	07:40	07:40
2	03/13/13	08:30	03/11/13	03/12/13	07:40	07:40

Type of Test(s)

<u>Pimephales promelas</u>	<u>48 Hr Acute</u>

Start Sx # 1 Date: 3/12/2013
 Renew Sx # 2 Date: 3/13/2013
 Renew Sx # _____ Date: _____
 Renew Sx # _____ Date: _____
 Renew Sx # _____ Date: _____
 Renew Sx # _____ Date: _____
 Renew Sx # _____ Date: _____

Controls: Synthetic
 pH Match: _____
 Hardness Match: moderate

Test Start Date: 3/12/2013 Test End Date: 3/14/2013

Pimephales Test Set Up: 5 Reps & 8 Organisms per Rep
 Test Set Up: _____

Concentrations: 32 42 56 75 100 % LF % 100

Test Chemistry on these dilutions: 32 42 56 75 100

Samples received by:

<input checked="" type="radio"/> Greyhound	<input type="radio"/> UPS Next Day	<input type="radio"/> Delta Dash	<input type="radio"/> Delta
<input type="radio"/> Pony Express	<input type="radio"/> Client Delivered	<input type="radio"/> Southwest Airlines	<input type="radio"/> DHL
<input type="radio"/> Federal Express	<input type="radio"/> American Airlines	<input type="radio"/> Bio Pick Up	

Other: _____



605898 CoC Print Group 001 of 002

BIO-AQUATIC TESTING, INC.

pH, Dissolved Oxygen

48 Hr Acute Pimephales promelas

Client: Ana-Lab

Lab ID: 51569

Facility: Cooper Tire & Rubber Co.

Dilution Water(s): Synthetic Lab

Outfall: NPDES 001

Test Begin Date: March 12, 2013

NR indicates that the test is non-renewal.

ANALYST	DATE	TIME	SX#	UNIT	Concentration								
					Control	32	42	56	75	100			
JR	3/12	Start	1	pH	8.0	7.9	7.7	7.7	7.6	7.5			
		25 ± 1		DO (mg/L)	9.2	8.7	9.0	9.3	9.4	9.9			
DS	3/13	24 Hr	1	pH	7.8	7.7	7.7	7.7	7.7	7.6			
		25 ± 1		DO (mg/L)	8.6	8.6	8.6	8.5	8.4	8.3			
		Renew	2	pH	7.9	7.9	7.9	7.8	7.7	7.6			
				DO (mg/L)	8.6	8.5	8.5	8.4	8.4	8.4			
DS	3/14	48 Hr	2	pH	8.0	8.0	8.0	7.9	7.9	7.8			
		25 ± 1		DO (mg/L)	8.3	8.2	8.2	8.1	8.0	7.9			
		Renew		pH									
			DO (mg/L)										
	3/15	72 Hr		pH									
		25 ± 1	DO (mg/L)										
		Renew		pH									
			DO (mg/L)										
	3/16	96 Hr		pH									
		25 ± 1	DO (mg/L)										
		Renew		pH									
			DO (mg/L)										
	3/17	120 Hr		pH									
		25 ± 1	DO (mg/L)										
		Renew		pH									
			DO (mg/L)										
	3/18	144 Hr		pH									
		25 ± 1	DO (mg/L)										
		Renew		pH									
			DO (mg/L)										
	3/19	168 Hr		pH									
		25 ± 1	DO (mg/L)										



605898 CoC Print Group 001 of 002

Appendix B

Pimephales promelas

BIO-AQUATIC TESTING, INC.

Carrollton, TX

REFERENCE TOXICANTS

Bio-Aquatic Testing conducts reference toxicant testing monthly for organisms cultured in-house. For studies requiring purchased organisms, reference toxicant testing is performed simultaneously. Reference toxicant testing validates data and measures organism consistency. Only reagent grade chemicals are used of the following choices: sodium laurel sulfate (SLS), copper sulfate, copper chloride, potassium chloride, and sodium chloride. Organism responses are tracked with control charts for each reference toxicant/organism combination. The data are examined for sensitivity trends and to determine if results are within EPA described limits.

ACUTE REFERENCE TOXICANT TEST RESULTS

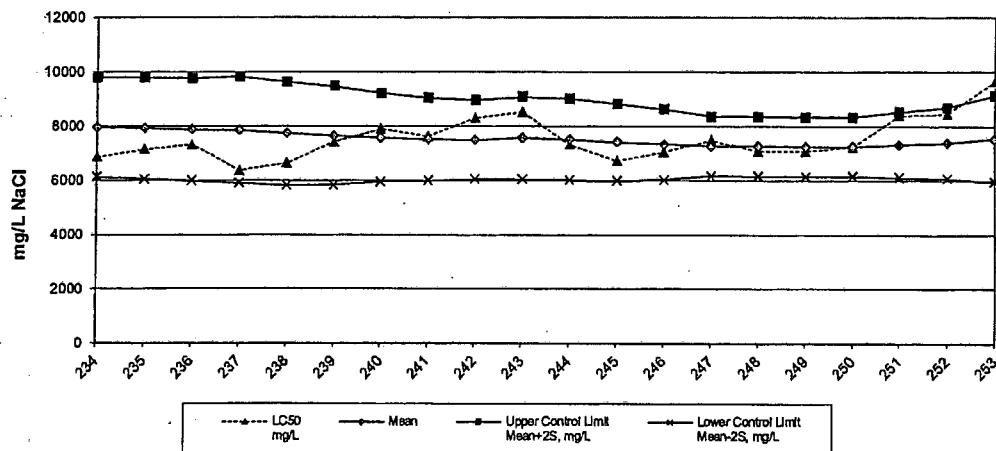
DILUTION WATER:	Standard Synthetic Freshwater
CHEMICAL:	Sodium Chloride
DURATION:	48 Hour Acute
TEST NUMBER:	253
PROJECT NUMBER:	53840
START DATE:	2/27/2013
START TIME:	14:54
TOTAL NUMBER EXPOSED:	40 organisms per concentration
CONCENTRATIONS (mg/L):	CON 2000 4000 6000 8000 10000 12000
NUMBER DEAD PER CONCENTRATION:	0 0 0 1 1 22 40
TEST METHODS:	As listed in EPA-821-R-02-012
STATISTICAL METHODS:	SURVIVAL: Trimmed Spearman-Kärber
LC50:	9652.27 mg/L
95% LOWER CONFIDENCE LIMITS:	9289.32 mg/L
95% UPPER CONFIDENCE LIMITS:	10029.40 mg/L

Bio-Aquatic Testing, Inc.

REFERENCE TOXICANT STATISTICAL RESULTS: LC₅₀ AND CONTROL LIMITS
Pimephales promelas EXPOSED TO SODIUM CHLORIDE, 48 HOUR STATIC RENEWAL

Test Number	Date	Project Number	Toxicant Lot Number	Statistical Method	LC ₅₀ mg/L	Mean	Twice Standard Deviation 2S	Upper Control Limit Mean+2S, mg/L	Lower Control Limit Mean-2S, mg/L
233	6/29/2011	48483	023007	Trimmed Spearman-Kärber	6503.2	7950.1	1884.6	9834.7	6065.6
234	7/27/2011	48944	023007	Trimmed Spearman-Kärber	6874.8	7967.4	1835.4	9802.8	6132.0
235	8/30/2011	49054	023007	Trimmed Spearman-Kärber	7133.5	7926.0	1872.9	9799.0	6053.1
236	9/29/2011	49213	023007	Trimmed Spearman-Kärber	7315.3	7885.9	1890.0	9775.9	5996.0
237	10/26/2011	49501	023007	Trimmed Spearman-Kärber	6368.1	7863.6	1952.9	9816.4	5910.7
238	11/28/2011	49800	023007	Trimmed Spearman-Kärber	6652.4	7732.7	1906.3	9639.0	5826.4
239	12/28/2011	50693	023007	Trimmed Spearman-Kärber	7435.6	7657.2	1821.9	9479.2	5835.3
240	1/18/2012	50766	023007	Trimmed Spearman-Kärber	7918.8	7585.2	1643.7	9228.8	5941.5
241	2/23/2012	50858	023007	Trimmed Spearman-Kärber	7625.5	7523.3	1530.3	9053.6	5993.0
242	3/28/2012	50953	023007	Trimmed Spearman-Kärber	8315.7	7500.3	1463.6	8963.9	6036.7
243	4/24/2012	51029	023007	Trimmed Spearman-Kärber	8542.0	7566.2	1528.5	9094.7	6037.7
244	5/29/2012	51139	023007	Trimmed Spearman-Kärber	7334.7	7522.2	1500.3	9022.4	6021.9
245	6/26/2012	51227	134905	Trimmed Spearman-Kärber	6732.0	7423.2	1429.4	8852.5	5993.8
246	7/31/2012	51362	134905	Trimmed Spearman-Kärber	7048.6	7343.2	1315.3	8658.6	6027.9
247	8/28/2012	51423	134905	Trimmed Spearman-Kärber	7498.9	7273.3	1098.3	8371.6	6175.0
248	9/25/2012	51611	134905	Trimmed Spearman-Kärber	7081.2	7260.6	1101.1	8361.8	6159.5
249	10/31/2012	51787	134905	Trimmed Spearman-Kärber	7082.2	7244.1	1101.4	8345.6	6142.7
250	11/28/2012	52178	134905	Trimmed Spearman-Kärber	7248.8	7253.6	1098.0	8351.6	6155.6
251	12/27/2012	53578	134905	Trimmed Spearman-Kärber	8411.5	7317.2	1211.6	8528.8	6105.6
252	1/30/2013	53774	134905	Trimmed Spearman-Kärber	8457.2	7379.0	1312.9	8691.9	6066.1
253	2/27/2013	53840	221401	Trimmed Spearman-Kärber	9652.3	7536.5	1595.5	9132.0	5940.9

Pimephales promelas Acute Control Chart



APPENDIX C


LITERATURE REFERENCES

- U.S.E.P.A., 2002. Short-Term Methods For Estimating The Chronic Toxicity Of Effluents And Receiving Water To Freshwater Organisms (Fifth Edition) U.S. Environmental Protection Agency, Office of Water, Washington D.C., EPA-821-R-02-012.
- U.S.E.P.A., 2002. Short-Term Methods For Estimating The Chronic Toxicity Of Effluents and Receiving Water To Marine And Estuarine Organisms (Third Edition) U.S. Environmental Protection Agency, Office of Water, Washington D.C., EPA-821-R-02-014.
- U.S.E.P.A., 2002. Short-Term Methods For Estimating The Chronic Toxicity Of Effluents And Receiving Water To Freshwater Organisms (Fourth Edition) U.S. Environmental Protection Agency, Office of Water, Washington D.C., EPA-821-R-02-013.
- U.S.E.P.A., 1991. Technical Support Document For Water Quality-Based Toxics Control, U.S. Environmental Protection Agency, EPA-505-2-90-001.
- Zarr, Jerrold, H., 1984. Biostatistical Analysis, (Second Edition). Prentice-Hall, Inc., Englewood Cliffs, N.J.



CHAIN-OF-CUSTODY SHEETS

Appendix D

 BIO-AQUATIC TESTING, INC. 2501 MAYES RD., STE. 100 CARROLLTON, TX 75006 PH: 972-242-7750 FAX: 972-242-7749		CHAIN OF CUSTODY <input type="checkbox"/> Bio Only, No Sample Left Lab Id: 51569 Please Review & Complete Sections A, B, C, & D. Sample No: 51569 Check Sample No.: <u>X</u> First, ___ Second, or ___ Third.																																																																	
Client: Ana-Lab Facility: Cooper Tire & Rubber Co. Permit No: AR0038822 Outfall: NPDES 001 Client Contact: ROY WHITE Client Phone: 903-984-0551		B. Use area below to make changes, if the Scheduled Test(s) in "A" are incorrect: <table border="1"> <tr> <th colspan="5">Freshwater Species</th> <th colspan="2">Saltwater Species</th> </tr> <tr> <th>C. dubia (water flea)</th> <th>D. pulex (water flea)</th> <th>D. magna (water flea)</th> <th>P. promelas (minnow)</th> <th>Selenastrum (green algae)</th> <th>M. beryllina (minnow)</th> <th>Mysidopsis (shrimp)</th> </tr> <tr> <td><input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour</td> <td><input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour</td> <td><input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour</td> <td><input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 24 Hour</td> <td><input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour</td> <td><input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour</td> <td><input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour</td> </tr> </table>		Freshwater Species					Saltwater Species		C. dubia (water flea)	D. pulex (water flea)	D. magna (water flea)	P. promelas (minnow)	Selenastrum (green algae)	M. beryllina (minnow)	Mysidopsis (shrimp)	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour																																											
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C. dubia (water flea)	D. pulex (water flea)	D. magna (water flea)	P. promelas (minnow)	Selenastrum (green algae)	M. beryllina (minnow)	Mysidopsis (shrimp)																																																													
<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour																																																													
A. REVIEW SCHEDULED TEST(S): <table border="1"> <tr> <td>48 Hr Acute</td> <td>Pimephales promelas</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table> To Ship the 1st Sample on: 3/12/2013 Concentration: 32 42 56 75 100 (For TX) Setup separate 24hr Acute Test? <input type="checkbox"/>		48 Hr Acute	Pimephales promelas					Notes: Bi-Monthly Fathead Has WET Limit Send off total and dissolved zinc for each sample. (BG) TRC = 0.01 mg/l																																																											
48 Hr Acute	Pimephales promelas																																																																		
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Bio-Aquatic Sample Login ANALYTICAL TESTING REQUIRED		BAT sample personnel: <input type="radio"/> Yes <input checked="" type="radio"/> No Check for Ammonia: <input type="radio"/> Yes <input checked="" type="radio"/> No Dechlorinate Sample: <input type="radio"/> Yes <input checked="" type="radio"/> No Dilution Water: <input type="radio"/> Receiving Stream <input checked="" type="radio"/> Synthetic Lab																																																																	
Date: 3/12 Time: 0840 By: [Signature] Temperature: 3.7 (C) Int. Salinity: ppt Adj. Salinity: ppt Chlorine: 10.1 mg/l Ammonia: 0.25 Other: [Signature] pH: 7.2 DO: 9.9 mg/l Condition: [Signature]																																																																			



BIO-AQUATIC TESTING, INC.
2501 MAYES RD., STE. 100
CARROLLTON, TX 75006
PH: 972-242-7750 FAX: 972-242-7749

CHAIN OF CUSTODY

Please Review & Complete Sections A, B, C, & D.

Lab Id : **51569**

Sample No: **51569**

Check Sample No. : First, Second, or Third.

P.O. No:

Client: Ana-Lab
Facility: Cooper Tire & Rubber Co.
Permit No: AR0038822
Outfall: NPDES 001
Client Contact: ROY WHITE
Client Phone: 903-984-0551

B Use area below to make changes, if the Scheduled Test(s) in "A" are incorrect:

Freshwater Species					Saltwater Species	
C. dubia (water flea)	D. pulex (water flea)	D. magna (water flea)	P. promelas (minnow)	Selenastrum (green algae)	M. beryllina (minnow)	Mysticopsis (shrimp)
<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour	<input type="checkbox"/> Chronic <input type="checkbox"/> 96 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 24 Hour

A REVIEW SCHEDULED TEST(S):
48 Hr Acute Pimephales promelas
To Ship the 1st Sample on: 3/12/2013

Concentration: 32 42 58 75 100
(For TX) Setup separate 24hr Acute Test?

Notes: Bi-Monthly Fathead
Has WET Limit
Send off total and dissolved zinc for each sample. (BG) TRC = 0.00 mg/L

Sample ID or Location: (Outfall No. or Name)	Sample Type: E = Effluent RS = Rec. Stream S = Sediment	Sample Date		Sample Time (military)		Grab or Composite	Sampled By: (Sign and Print Name)	Number Of Containers Shipped
		From	To	From	To			
1 <u>OUTFALL 001</u>	<u>E</u>	<u>3/14/13</u>	<u>3/12/13</u>	<u>0740</u>	<u>0940</u>	<u>Comp</u>	<u>Charles Allen</u>	<u>1</u>
2								
3								

Relinquished By:	Date	Time	Received By:	Date	Time
1 <u>Charles Allen</u>	<u>3/12/13</u>	<u>0840</u>	<u>[Signature]</u>	<u>3-13-13</u>	<u>0830</u>
2					
3					

Bio-Aquatic Sample Login

BAT sample personnel: Yes No

Check for Ammonia: Yes No

Dechlorinate Sample: Yes No

Dilution Water: Receiving Stream Synthetic Lab

Date: 3-13 Time: 0919 By: [Signature]

Temperature: 3.9 (C) Int. Salinity: ppt Adj. Salinity: ppt

Chlorine: 10.1 mg/l Ammonia: 0.25 Other:

pH: 7.5 DO: 9.9 mg/l Condition: Good

ANALYTICAL TESTING REQUIRED



REGULATORY AGENCY TABLES

Appendix E

CERTIFIED MAIL™



7011 2970 0001 7194 1033



COOPER TIRE & RUBBER COMPANY
3500 Washington Road • Texarkana, AR 71854



02 1M
0008006971
MAY 17 2013
MAILED FROM ZIP CODE 75501

MAY

20

PM

PM

PM

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER DIVISION - ENFORCEMENT BRANCH
5301 Northshore Drive
North Little Rock, AR 72118-5317

